

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1-9. (Canceled)
10. (New) A method for calibrating a brake system, comprising:
 - predetermining a first threshold value;
 - obtaining a zero state value of a measured quantity upon activation of the brake system; and
 - establishing a calibrated value of the measured quantity as the zero state value if the zero state value is less than the first threshold value and if no pressure control signal is being output to a wheel brake actuator.
11. (New) The method of claim 10, further comprising:
 - predetermining a second threshold value, wherein the second threshold value is higher than the first threshold value; and
 - establishing the calibrated value of the measured quantity as the zero state value if the zero state value is greater than the first threshold value and less than the second threshold value.
12. (New) The method of claim 11, further comprising:
 - establishing the calibrated value of the measured quantity as a previously determined calibrated value if the zero state value is greater than the second threshold value.
13. (New) A method for calibrating a brake system of a vehicle, comprising:
 - predetermining a first threshold value;
 - obtaining a measured value of a measured quantity during operation of the vehicle;
 - determining a calculated value of the measured quantity as a function of the measured value and a calibrated value; and

establishing a new value for the calibrated value if the calculated value is less than the first threshold value and if no pressure control signal is being output to a wheel brake actuator.

14. (New) The method of claim 13, wherein the first threshold value is 0.
15. (New) The method of claim 13, further comprising:
 - establishing a new value for the calibrated value if a ratio of the calculated value to the measured value is less than 1 and if no pressure control signal is being output to the wheel brake actuator.
16. (New) The method of claim 13, wherein the new value for the calibrated value is established by obtaining a prevailing value of the measured quantity.
17. (New) The method of claim 13, wherein the new value for the calibrated value is established by decrementing the calibrated value.
18. (New) The method of claim 15, wherein the new value for the calibrated value is established by obtaining a prevailing value of the measured quantity.
19. (New) The method of claim 15, wherein the new value for the calibrated value is established by decrementing the calibrated value.
20. (New) The method of claim 13, further comprising:
 - establishing a new value for the calibrated value if:
 - a) the measured value is greater than the calibrated value plus a delta value; and
 - b) the measured value is less than the first threshold value.
21. (New) A device for calibrating a brake system, comprising:
 - an arrangement for predetermining a first threshold value;
 - an arrangement for obtaining a zero state value of a measured quantity upon activation of the brake system; and

an arrangement for establishing a calibrated value of the measured quantity as the zero state value if the zero state value is less than the first threshold value and if no pressure control signal is being output to a wheel brake actuator.

22. (New) The method of claim 21, further comprising:

an arrangement for predetermining a second threshold value, wherein the second threshold value is higher than the first threshold value; and

an arrangement for establishing the calibrated value of the measured quantity as the zero state value if the zero state value is greater than the first threshold value and less than the second threshold value.

23. (New) The device of claim 21, further comprising:

an arrangement for establishing the calibrated value of the measured quantity as a previously determined calibrated value if the zero state value is greater than the second threshold value.

24. (New) A device for calibrating a brake system of a vehicle, comprising:

an arrangement for predetermining a first threshold value;

an arrangement for obtaining a measured value of a measured quantity during operation of the vehicle;

an arrangement for determining a calculated value of the measured quantity as a function of the measured value and a calibrated value; and

an arrangement for establishing a new value for the calibrated value if the calculated value is less than the first threshold value and if no pressure control signal is being output to a wheel brake actuator.